

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 14. (Canceled)

15. (Currently Amended) A method for treating cancer in a patient in need thereof, the method comprising:

administering to a patient ~~in need thereof~~ a therapeutically effective amount of ~~the~~ composition of claim 1 comprising:

a pharmaceutically acceptable carrier and a pharmaceutically effective amount of an active ingredient comprising

at least one plant essential oil compound; and

a signal transduction modulator selected from the group consisting of forskolin, geldanamycin and okadaic acid.

16. (New) The method of claim 15, wherein the plant essential oil compound is a member selected from the group consisting of aldehyde C16 (pure), amyl cinnamic aldehyde, amyl salicylate, anisic aldehyde, benzyl alcohol, benzyl acetate, cinnamaldehyde, cinnamic alcohol,  $\alpha$ -terpineol, carvacrol, carveol, citral, citronellal, citronellol, p-cymene, diethyl phthalate, dimethyl salicylate, dipropylene glycol, eucalyptol (cineole), eugenol, iso-eugenol, galaxolide, geraniol, guaiacol, ionone, d-limonene, menthol, methyl anthranilate, methyl ionone, methyl salicylate,  $\alpha$ -phellandrene, pennyroyal oil perillaldehyde, 1- or 2-phenyl ethyl alcohol, 1- or 2-phenyl ethyl propionate, piperonal, piperonyl acetate, piperonyl alcohol, D-pulegone, terpinen-4-ol, terpinyl acetate, 4-tert butylcyclohexyl acetate, thyme oil, thymol, metabolites of trans-anethole, vanillin, and ethyl vanillin.

17. (New) The method of claim 16, wherein the plant essential oil compound is a member selected from a group consisting of benzyl alcohol, cinnamic aldehyde, cinnamaldehyde, cinnamic alcohol,  $\alpha$ -terpineol, carvacrol, citronellal, eugenol, iso-eugenol, thyme oil, thymol, and trans-anethole.
18. (New) The method of claim 15, wherein the soft tissue cancer is breast cancer.
19. (New) The method of claim 15, wherein the plant essential oil compound is eugenol.
20. (New) The method of claim 15, wherein the plant essential oil compound is thymol.
21. (New) The method of claim 15, wherein the plant essential oil compound is isoeugenol.
22. (New) The method of claim 15, wherein the plant essential oil compound is benzyl alcohol.
23. (New) The method of claim 15, wherein the plant essential oil compound is carvacrol.
24. (New) The method of claim 15, wherein the plant essential oil compound is cinnamic alcohol.
25. (New) The method of claim 15, wherein the plant essential oil compound is cinnamic aldehyde.
26. (New) The method of claim 15, wherein the plant essential oil compound is citronellal.
27. (New) The method of claim 15, wherein the plant essential oil compound is  $\alpha$ -terpineol.

28. (New) The method of claim 15, wherein the plant essential oil compound is trans-anethole.

29. (New) A method for inhibiting the growth of breast cancer cells, the method comprising a step of applying to a population of the breast cancer cells, for a sufficient time to observe inhibition of growth in said breast cancer cells, a therapeutically effective amount of a composition comprising

at least one plant essential oil compound; and

a signal transduction modulator selected from the group consisting of forskolin, geldanamycin and okadaic acid.

30. (New) The method of claim 29, wherein the breast cancer cells are MCF-7 cells.

31. (New) The method of claim 29, wherein the plant essential oil compound is selected from the group consisting of aldehyde C16 (pure), amyl cinnamic aldehyde, amyl salicylate, anisic aldehyde, benzyl alcohol, benzyl acetate, cinnamaldehyde, cinnamic alcohol,  $\alpha$ -terpineol, carvacrol, carveol, citral, citronellal, citronellol, p-cymene, diethyl phthalate, dimethyl salicylate, dipropylene glycol, eucalyptol (cineole), eugenol, iso-eugenol, galaxolide, geraniol, guaiacol, ionone, d-limonene, menthol, methyl anthranilate, methyl ionone, methyl salicylate,  $\alpha$ -phellandrene, pennyroyal oil, perillaldehyde, 1- or 2-phenyl ethyl alcohol, 1- or 2-phenyl ethyl propionate, piperonal, piperonyl acetate, piperonyl alcohol, D-pulegone, terpinen-4-ol, terpinyl acetate, 4-tert butylcyclohexyl acetate, thyme oil, thymol, metabolites of trans-anethole, vanillin, and ethyl vanillin.

32. (New) The method of claim 29, wherein the plant essential oil compound is a member selected from a group consisting of benzyl alcohol, cinnamic aldehyde,

cinnamaldehyde, cinnamic alcohol,  $\alpha$ -terpineol, carvacrol, citronellal, eugenol, iso-eugenol, thyme oil, thymol, and trans-anethole.

33. (New) The method of claim 29, wherein the plant essential oil compound is eugenol.

34. (New) The method of claim 29, wherein the plant essential oil compound is thymol.

35. (New) The method of claim 29, wherein the plant essential oil compound is isoeugenol.

36. (New) The method of claim 29, wherein the plant essential oil compound is benzyl alcohol.

37. (New) The method of claim 29, wherein the plant essential oil compound is carvacrol.

38. (New) The method of claim 29, wherein the plant essential oil compound is cinnamic alcohol.

39. (New) The method of claim 29, wherein the plant essential oil compound is cinnamic aldehyde.

40. (New) The method of claim 29, wherein the plant essential oil compound is citronellal.

41. (New) The method of claim 29, wherein the plant essential oil compound is  $\alpha$ -terpineol.

42. (New) The method of claim 29, wherein the plant essential oil compound is trans-anethole.